

2 Underground Stations, Cut and Cover Ramp and TBM tunnels for Metro Link Express Gandhi Nagar Ahmedabad (MEGA) project UG-1 on East West corridor in Ahmedabad City, Gujrat

Structural design & drawings for 2 numbers underground stations at Kankaria East and Kalupur and C/c Ramps at start of the project including Launch shaft.

Design of TBM Tunnel and construction from start of underground ramp (near Apparel Park Depot to end of TBM tunnels at receiving shaft near Kalupur station. The work also included Architectural design and finishes, E & M works, TVS, ECS, plumbing drainage etc. for Kankaria East and Kalupur stations. There is integration with Western Railway at the Kalupur station with sufficient connectivity corridor and entry structure.

Tandon Consultants Pvt. Ltd (TCPL) and Geoconsult (GC) Joint Venture i.e. TCPL-GC JV is Detailed Design Consultant for the Project.

Mainly all the stations are proposed to be constructed by “Top-Down Method”. Construction methods, construction sequence and other dimensional and reinforcement drawings for relevant details of various stations included in the package. The kankaria station will have the TBM drive through i.e. by installation of temporary segments in station, while the Kalupur station will be having the TBM drag through to the other station of station to complete 179m of TBM tunnels till receiving end,

The TBM tunnels analysis and design, Building condition survey and analysis, settlement analysis and its impact on buildings during construction, Launch shaft designs, Thrust frame, Seepage analysis, Instrumentation and monitoring, cross passages and sumps etc are all part of the scope of work for the detailed design consultant.